

**ABSTRACT**

A sealing system for reducing a gap between a tip of a turbine blade and a shroud of a turbine engine. As a turbine engine reaches steady state operating conditions, components of the sealing system reach their maximum expansion and  
5 reduce the size of the gap located between the blade tips and the engine shroud, thereby reducing the leakage of air past the turbine blades and increasing the efficiency of the turbine engine. The sealing system includes a ring segment having a sealing surface positioned proximate to a tip of a turbine blade. The ring segment may be coupled to a blade ring using a spindle having a coefficient of thermal  
10 expansion greater than the coefficient of thermal expansion for the blade ring.